

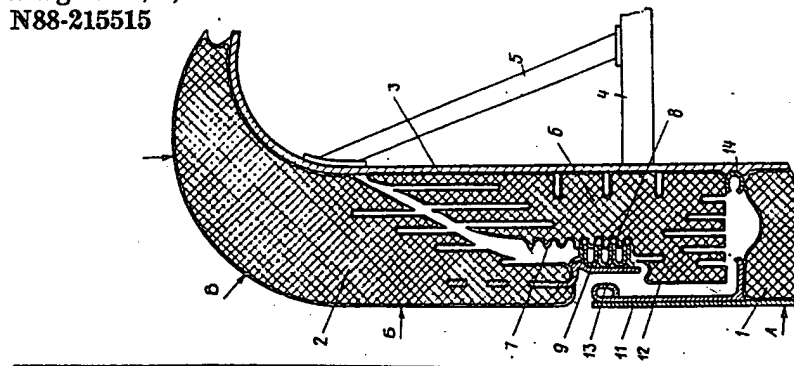
CARH ★ Q17 88-283863/40 ★ SU 1382-693-A
 Vehicle bumper - has composite construction with collapsible inner
 pads having teeth to interlock with other bumper ends
 CAR ENGINE RES INST 10.09.86-SU-116196

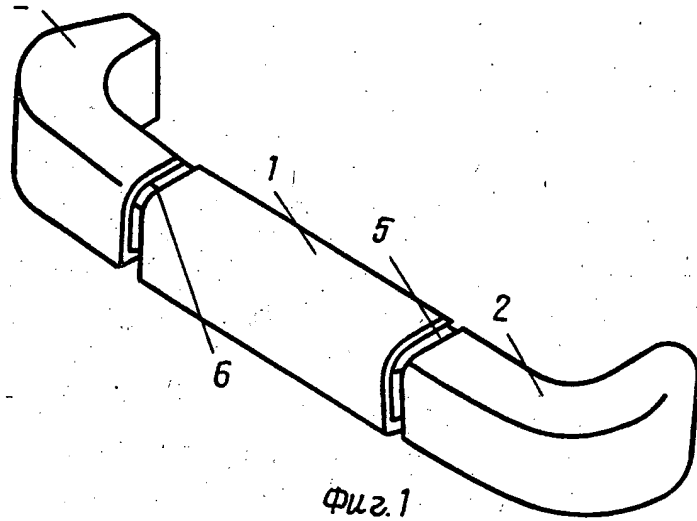
(23.03.88) B60r-19/02
 10.09.86 as 116196 (1521MB)

The bumper is of composite construction having a backplate (3) a
 centre section (1), outer sections (2) and inner pads (6). Pad (6) is of
 wedge-shaped profile and has a number of deep channels of different
 orientation to permit it to deform under load.

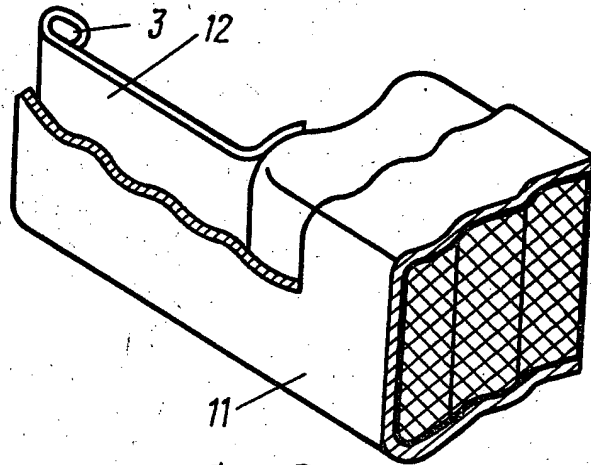
End section (2) has a plate (9) with teeth which engages teeth (8)
 in the pad (6) and centre section (1) has a plate (11) with rib (13)
 which covers this. Also, the plate (11) covers a raised section (12) of
 the pad (6). In the event of a collision, the centre section is
 compressed and its plates compress and deform the pads (6) which
 are effectively locked together with end sections (2) by their
 interlocking teeth. After impact the bumper recovers to its original
 form.

ADVANTAGE - Increased energy absorption. Bul.11/23.3.88. (4pp
 Dwg.No.2/5)
 N88-215515

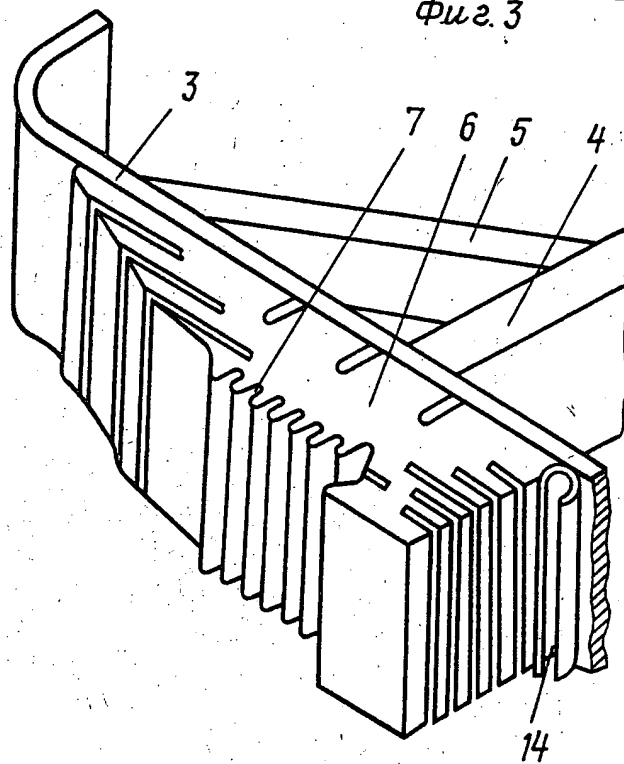




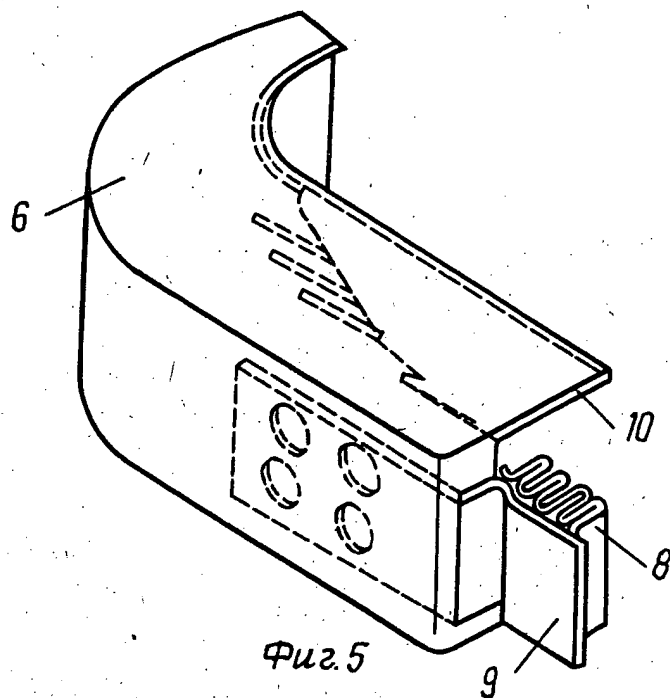
Фиг. 1



Фиг. 3



Фиг. 4



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